

A B S T R A C TMOTOR VEHICLE WHEEL ANTISKID AND ANTILOCK DEVICE USING
THE BRAKING CIRCUIT

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A braking system comprises one or more brake cylinders (100, 200, 300, 400) each associated with one or more wheels, a fluid supply (10), and a brake control (14) for commanding the feeding of fluid to the cylinder or cylinders via one or more brake valves and one or more brake pipes (44, 46). The system also comprises a function selector (50) adapted to adopt an antislip mode position (50A) or antilock mode positions in which it connects a branch pipe (52) to a fluid feed pipe (54) or to a return line (56) and a control valve (110, 210, 310, 410) for the or each brake cylinder adapted to adopt a normal braking position (100A, 210A, 310A, 410A) to connect the cylinder to the brake pipe (44, 46) and one or more special mode positions (110B, 210B, 310B, 410B) to connect the cylinder to the branch pipe (52) that the function selector connects to the return line or to the feed. The system further comprises means (120, 220, 320, 420, UC) for detecting wheelspin or a wheel tending to lock and for commanding the function selector (50) and the control valve associated with the brake cylinder associated with that wheel accordingly.

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